

2.9-2.11 Review KEY

Show work for each problem!!

1. $7x^2$

2. $\frac{4s}{3}$

3. $\frac{2x-1}{3}$

4. $\frac{x+3}{2x+3}$

5. $\frac{3x}{x+5}$

6. $\frac{y^2(x-2)}{6x(x+2)}$

7. $\frac{(3x+2)(y+1)}{2y(x+3)}$

8. $\frac{4s-10}{(s-4)(s+2)}$

9. $\frac{-2x-26}{x+7}$

10. $\frac{-2x^2+16x-13}{(x+4)(x-3)}$

11. $\frac{12x^2-5x+40}{(4x+1)(x-5)}$

12. $x \neq 0, x = -5, x = 2$

13. $x \neq 1, x = -2/3$

14. $x \neq 2, x \neq 1, x = 8/5$

15. $x \neq -2, x \neq 3, x = 0, x = 1/2$

16. $x \geq -7/3, x = -2$

17. $x \geq 0, x = 121$

18. no restrictions, $x = 343$

19. no restrictions, $x = 133$

20. $x \geq -9, x = 72$

21. $x \geq 5/2, x = 7, x = 3$

22. $x \geq 9, x = 18$

23. no restrictions, $x = 3$